

ABSTRACT

The present invention provides a soft magnetic material and a powder magnetic core having desired magnetic characteristics.

5 A soft magnetic material contains a metal magnetic powder 10. The metal magnetic powder 10 is formed from crystals 1 with an average size, as determined from X-ray diffraction, of at least 30 nm. It would be preferable, in the metal magnetic particles 10, for crystal grains 2 to have an average size of at least 10 microns.